

9	53	2.3	335913	22	AA161371	Soybean 240017 reg
10	53	2.3	335913	22	AA161372	Soybean 240017 reg
C 11	52.8	2.3	8210	24	ABL70331	Chemically treated
C 12	52.8	2.3	8210	24	AA561282	Human gene regulat
C 13	52.8	2.3	8210	24	ABK31380	Signal transductio
C 14	52.4	2.3	6106	22	AA546439	Tumour suppressor
C 15	52.4	2.3	6106	24	ABK40031	Human chemically p
C 16	52.4	2.3	6106	24	AB133472	Human immune syste
C 17	52.2	2.3	50000	24	ABL56202	ABLV genome fragm
C 18	52	2.3	7195	22	AA545335	Chemically pretrea
C 19	52	2.3	7195	24	ABK28166	DNA transcription
C 20	52	2.3	37515	24	ABK66998	Human angiogenesis
C 21	51.4	2.3	1998	21	AA470121	Plasmodium falcipa
C 22	51.2	2.3	1527	21	AA470121	Plasmodium falcipa
C 23	51.2	2.3	3399	17	AA059868	Chicken leucocytoz
C 24	51.2	2.3	4985	24	ABQ75107	Anopheles gambiae
C 25	51	2.2	8056	25	AB210100	Haematopoietic cel
C 26	50.6	2.2	4590	22	AAH74065	Yeast ADP9604-asso
C 27	50.6	2.2	6815	22	AA545345	Chemically pretrea
C 28	50.6	2.2	6815	24	AB132671	Human immune syste
C 29	50.6	2.2	6815	24	ABK28176	DNA transcription
C 30	50.6	2.2	7819	24	AB133953	Human immune syste
C 31	50.6	2.2	7819	24	AB134607	Human metastasis a
C 32	50.2	2.2	15016	20	AA399550	Nucleic acid sequ
C 33	50.2	2.2	15087	24	AB132793	Human immune syste
C 34	50	2.2	2000	24	ABZ14930	Arabidopsis thalia
C 35	50	2.2	6381	24	ABL70243	Chemically treated
C 36	50	2.2	6381	24	ABL12966	Human immune syste
C 37	50	2.2	6381	24	AB134518	Human metastasis a
C 38	50	2.2	640681	24	ABA92787	Buchnera sp. genom
C 39	49.8	2.2	50000	24	ABL55643	ABLV genome fragm
C 40	49.8	2.2	50000	24	ABL56201	ABLV genome fragm
C 41	49.6	2.2	3095	11	AA030875	Sequence encoding
C 42	49.6	2.2	12705	24	AB132148	Human immune syste
C 43	49.4	2.2	15251	24	ABQ76602	C. albicans BAX-as
C 44	49.2	2.2	33548	24	ABLV0603	Chemically treated
C 45	49	2.2	15724	24	ABLV0239	Chemically treated

1687 ~

DB 1636 AGTACCTTATGCCAGTTGCTAAATACTCTGTAGAAATACGCTCAAGATAGTAAATCTCCACAG 1695

QY 1691 CTAACGACCTGATTTCTTTATTCGATATACATATATATCATCTCTTATTGAACCT 1740  
DB 1696 CTAACGACCTGATTTCTTTATTCGATATACATATATATCATCTCTTATTGAACCT 1755  
QY 1741 CAGTGGCATTCCAGAGATTTAGTTGATATATTTGATGAGAAATAAAAAGATTATA 1800  
DB 1756 CAGTGGCATTCCAGAGATTTAGTTGATATATTTGATGAGAAATAAAAAGATTATA 1815  
QY 1801 CCTGTACCTATATTTATTAACATGAGAAAAACGGTGCATGCTTACGCGTGAACAACT 1860  
DB 1816 CCTGTACCTATATTTATTAACATGAGAAAAACGGTGCATGCTTACGCGTGAACAACT 1875  
QY 1861 AAGATTTCCATTTTGAATTTGAATTTAAAAATATAAGCAAGATTCTTCTCAAACT 1920  
DB 1876 AAGATTTCCATTTTGAATTTGAATTTAAAAATATAAGCAAGATTCTTCTCAAACT 1935  
QY 1921 GTTAAAAACAGTAAACAAACCTGCAATTTAAAGTGTAAAGCAACCATTAATTTAAAA 1980  
DB 1936 GTTAAAAACAGTAAACAAACCTGCAATTTAAAGTGTAAAGCAACCATTAATTTAAAA 1995  
QY 1981 CATGGGGAAGTTTAACTTCAAGCTTCAAGCTTACAGAGGTTATCTTACCTGCAAGAA 2040  
DB 1996 CATGGGGAAGTTTAACTTCAAGCTTACAGAGGTTATCTTACCTGCAAGAA 2055  
QY 2041 ACAGATTTCTGAAGCTTAAAGTTAAAGTTAATAGCCAGAGAGTAAATGCTACAGTT 2100  
DB 2056 ACAGATTTCTGAAGCTTAAAGTTAAAGTTAATAGCCAGAGAGTAAATGCTACAGTT 2115  
QY 2101 TCAAAAACAGAAATTAACAGATGAGACACTTCTTGTGAAAATTAATAAGACCTGTT 2160  
DB 2116 TCAAAAACAGAAATTAACAGATGAGACACTTCTTGTGAAAATTAATAAGACCTGTT 2175  
QY 2161 GTTCTTACAGAGTTGATCAAAAAGATCATAGCTTATGATATATGCTGCTGTT 2220  
DB 2176 GTTCTTACAGAGTTGATCAAAAAGATCATAGCTTATGATATATGCTGCTGTT 2235  
QY 2221 ATCAGTTTGGGGATCTGGGGAATTCACAGATTAAGATTAAGAAAAATCATGAC 2271  
DB 2236 ATCAGTTTGGGGATCTGGGGAATTCACAGATTAAGATTAAGAAAAATCATGAC 2286

RESULT 2  
ABN69679/c  
ID ABN69679 standard; DNA: 159 BP.  
AC ABN69679;  
DT 01-JUL-2002 (first entry)  
DE Streptococcus polynucleotide SEQ ID NO 7271.  
XX Streptococcus: GAS; GBS; group B streptococcus; Streptococcus agalactiae;  
KW group A streptococcus; Streptococcus pyogenes; antibacterial; gene;  
XX antiinflammatory; infection; vaccine; meningitis; gene therapy; ds.  
OS Streptococcus pyogenes.  
XX MO200234771-A2.  
XX 02-MAY-2002.  
XX 29-OCT-2001; 2001WO-GB04789.  
XX 27-OCT-2000; 2000GB-0026333.  
PR 24-NOV-2000; 2000GB-0028727.  
PR 07-MAR-2001; 2001GB-0005640.  
XX (CHIR-) CHIRON SPA.  
PA (GENO-) INST GENOMIC RES.  
XX Telford J, Massignani V, Margarit Ros YI, Grandi G, Fraser C;  
PI Tetelein H;  
XX

DR WPI: 2002-352536/38.  
DR P-PSDB: ABP29048.  
PT New Streptococcus protein for the treatment or prevention of infection  
PT or disease caused by Streptococcus bacteria, such as meningitis, and  
PT for detecting a compound that binds to the protein -  
XX  
PS Claim 7; Page 3879; 4525pp; English.  
XX  
XX The invention relates to a protein (ABP25413-ABP30895) from group B  
CC streptococcus/GBS (Streptococcus agalactiae) or group A streptococcus/GAS  
CC (Streptococcus pyogenes), comprising one of 5483 sequences (SI), given in  
CC the specification. The proteins have antibacterial and antiinflammatory  
CC activity (I), nucleic acids encoding (II), ABP6044-ABP71526 and  
CC antibodies that bind (I) are used in the manufacture of medicaments for  
CC the treatment or prevention of infection or disease caused by  
CC Streptococcus bacteria, particularly S. agalactiae and S. pyogenes.  
CC Nucleic acids encoding (I) are used to detect Streptococcus in a  
CC biological sample. (I) is used to determine whether a compound binds to  
CC (I). A composition comprising (I) or a nucleic acid encoding (I), may be  
CC used as a vaccine or diagnostic composition. The disease caused by  
CC Streptococcus that is prevented or treated may be meningitis. Nucleic  
CC acid encoding (I) may be used to recombinantly produce (I) and may be  
CC used in gene therapy. Antibodies to (I) are used for affinity  
CC chromatography, immunoassays, and distinguishing/identifying  
CC Streptococcus proteins.  
SQ Sequence 159 BP; 46 A; 31 C; 27 G; 55 T; 0 other;  
Query Match 3.3%; Score 75; DB 24; Length 159;  
Best Local Similarity 100.0%; Pred. No. 3.5e-07;  
Matches 75; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2200 GCCTTTCATTAATTCGCTGCTATACGTTTGGGATCTGGGAAATTCACAGATTAAGATA 2259  
DB 159 GCCTTTCATTAATTCGCTGCTATACGTTTGGGATCTGGGAAATTCACAGATTAAGATA 100  
QY 2260 AGAAAACATGACTAG 2274  
DB 99 AGAAAACATGACTAG 85  
RESULT 3  
AAAT0259  
ID AAA70259 standard; DNA: 4677 BP.  
AC AAA70259;  
XX  
XX 07-NOV-2000 (first entry)  
DE Plasmodium falciparum chromosome 2 related DNA sequence SEQ ID NO:392.  
XX Plasmodium falciparum; chromosome 2; human malaria parasite; vaccine;  
KW antimalarial; malaria; protozoa; infection; insecticide; ds.  
XX Plasmodium falciparum.  
XX MO200025728-A2.  
XX 11-MAY-2000.  
XX 05-NOV-1999; 99WO-US26796.  
XX 05-NOV-1998; 98US-0107131.  
XX (HOFF/) HOFFMAN S.  
PA (CARU/) CARUCCI D.  
PA (GARD/) GARDNER M.  
PA (VENT/) VENTER J C.  
XX Hoffman S, Carucci D, Gardner M, Venter JC;  
PI WPI: 2000-365347/31.  
XX